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Patent 10/404,584

**IN THE CLAIMS**

Please amend the claims as indicated below.

1 1. (currently amended) A handheld computer comprising:  
2 a housing;  
3 a housing including a first panel comprising one or more user-interactive features which are  
4 each actuatable to cause an input to be entered, and a display accessible on a second  
5 panel of the housing; and  
6 a processor coupled to the display, the processor being configured to:  
7 detect an input corresponding to a menu request;  
8 activate a first menu on the display in response to the menu request, the  
9 activated first menu displaying a menu bar and one or more menu items;  
10 process navigation input to navigate to the menu bar of the active first menu,  
11 including navigation input to cause the menu bar of the active first menu  
12 to be selectable;  
13 process selection input when the menu bar is selectable, wherein the navigation  
14 input and the selection input are generated by the user actuating a same  
15 user-interactive feature; and  
16 cancel activation of the first menu from the display in response to the menu bar  
17 of that menu being selected by selection input.

1 2. (original) The handheld computer of claim 1, wherein the processor is configured to  
2 process navigation input to navigate vertically to the menu bar from one of the one or more  
3 menu items in the active first menu.

1 3. (original) The handheld computer of claim 1, wherein the processor is configured to  
2 execute an application that makes only the first menu available while a corresponding page of

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- 3 the application is being displayed on the display, and to process a lateral navigation input while  
4 the first menu is active in order to cancel the first menu from being active.

- 1 4. (original) The handheld computer of claim 1, wherein the processor is configured to  
2 process navigation input to navigate laterally from the first menu to a second menu in order to  
3 make the second menu active instead of the first menu, and wherein the processor is configured  
4 to automatically make a menu bar of the second menu selectable in response to the second  
5 menu being activated by the lateral navigation input.

- 1 5. (original) The handheld computer of claim 4, wherein the processor is configured to  
2 process navigation input to cause the menu bar of the second menu item to be selectable  
3 immediately upon the second menu being made active in response to the lateral navigation  
4 input, and wherein the processor is configured to cancel activation of the second menu from the  
5 display in response to the menu bar of the second menu being selected by the selection input.

- 1 6. (original) The handheld computer of claim 1, wherein the processor is configured to  
2 process the navigation input to make the menu bar highlighted for selection by the selection  
3 input.

- 1 7. (original) The handheld computer of claim 1, wherein the processor is configured to  
2 process navigation input to navigate from one of the one or more menu items of the first menu  
3 to the menu bar in order to make the menu bar selectable.

- 1 Claims 8 and 9 (canceled)

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1 10. (currently amended) The handheld computer of claim 1, wherein the processor is  
2 configured to process navigation input from actuation of one or more of the user-interactive  
3 features, the navigation input being processed by the processor to navigate to and make the  
4 menu bar selectable, wherein the processor is configured to navigate laterally from the first  
5 menu to a second menu in response to the actuation of the one or more user-interactive features  
6 corresponding to a lateral navigation input, and to make the menu bar of the active second  
7 menu bar selectable upon navigating to the second menu.

1 11. (original) The handheld computer of claim 10, wherein the processor is configured to  
2 process selection input when the menu bar of the second menu is made selectable in order to  
3 select that menu bar and cause cancellation of the second menu being active.

1 12. (currently amended) The handheld computer of claim 1, ~~further comprising one or~~  
2 ~~more user-interactive features on the first panel of the housing,~~ wherein actuation of the one or  
3 more user-interactive features causes discrete inputs to be processed by the processor, wherein  
4 the processor is configured to process navigation input corresponding to actuation of one or  
5 more of the plurality of user-interactive features to navigate to the menu bar vertically from one  
6 of the menu items in the first menu in response to receiving a series of one or more discrete  
7 inputs from operations of the one or more user-interactive features.

1 13. (original) The handheld computer of claim 12, wherein the series of discrete inputs  
2 correspond to a series of button presses.

1 14. (original) The handheld computer of claim 12, wherein the series of discrete inputs  
2 correspond to a series of button presses from a multi-directional button mechanism.

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1 15. (original) The handheld computer of claim 1, wherein the processor navigates to the  
2 menu bar by highlighting the menu bar.

1 16. (currently amended) The handheld computer of claim 1, ~~further comprising one or~~  
2 ~~more user-interactive features on the first panel of the housing, wherein~~ the one or more user-  
3 interactive features are being actuable to cause navigation input to be processed by the  
4 processor, wherein a direction in which the processor navigates the menu bar is determined by  
5 a user selectively actuating the one or more user-interactive features.

1 17. (original) The handheld computer of claim 1, wherein the processor is configured to  
2 perform an action in response to one of the menu items of the first menu being selected.

1 18. (currently amended) The handheld computer of claim 1, ~~further comprising one or~~  
2 ~~more user-interactive features on the first panel of the housing, wherein~~ the one or more user-  
3 interactive features are being actuable to cause navigation input to be processed by the  
4 processor, and wherein the one or more user-interactive features includes a multi-directional  
5 mechanical feature.

1 19. (original) The handheld computer of claim 18, wherein the multi-directional  
2 mechanical feature is selected from a group of user-interactive features consisting of a joy  
3 stick, a joy pad, and a set of scroll buttons.

1 20. (currently amended) The handheld computer of claim 1, wherein the ~~plurality of one or~~  
2 more user-interactive features include a set of application buttons.

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1 21. (currently amended) The handheld computer of claim 1, ~~further comprising one or~~  
2 ~~more user interactive features on the first panel of the housing, wherein~~ the one or more user-  
3 interactive features are being actuatable to cause navigation input to be processed by the  
4 processor, and wherein the one or more user-interactive features include virtual features that  
5 appear on the display and which are selectable through contact with the display.

1 22. (currently amended) A handheld computer comprising:  
2 a housing;  
3 a display accessible on a panel of the housing;  
4 a set of actuatable mechanisms provided on the housing; and  
5 a processor coupled to the display and to the plurality of actuatable mechanisms, the processor  
6 being configured to:  
7 ~~associate an application to each actuatable mechanism so that, in response to one~~  
8 ~~of the actuatable mechanisms being actuated, the processor is configured~~  
9 ~~to execute the application assigned to that actuatable mechanism;~~  
10 detect an input corresponding to a menu request;  
11 in response to detecting the input corresponding to the menu request,  
12 assign a menu function to each actuatable mechanism in the set of  
13 actuatable mechanisms; and  
14 display one or more sets of menu items that are active in response to the  
15 menu request, each of the one or more sets of menu items being  
16 displayed as a portion of a menu having a menu bar;  
17 while the one or more sets of menu items are active, process input corresponding  
18 to actuation of any one of the actuatable mechanisms as the menu  
19 function assigned to the actuated actuatable mechanism, wherein the  
20 menu function assigned to each of the actuatable mechanisms  
21 corresponds to one of the menu functions selected from the group of  
22 menu functions consisting of navigation input, selection input to select a

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23                    menu item, and selection input to select cancellation of the one or more  
24                    active sets of menu items.

1    Claims 23 and 24 (canceled)

1    25.    (original) The handheld computer of claim 22, wherein the application  
2    associated with each actuatable mechanism is different for each actuatable  
3    mechanism.

1    26.    (original) The handheld computer of claim 22, wherein the actuatable  
2    mechanisms are buttons.

1    27.    (currently amended) The handheld computer of claim ~~2223~~, wherein  
2    actuatable mechanisms in the set of actuatable mechanisms are each assigned an  
3    individual menu function corresponding to navigating menu items in one of either  
4    a lateral direction or a vertical direction.

1    28.    (currently amended) The handheld computer of claim ~~2224~~, wherein at  
2    least one of the actuatable mechanisms in the set of actuatable mechanisms is  
3    assigned a menu function for selecting a selectable menu item.

1    29.    (currently amended) The handheld computer of claim ~~2223~~, wherein the  
2    handheld computer is operable in a sleep mode, and wherein the processor is  
3    configured to launch an application associated in response to one of the actuatable

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- 4 mechanisms associated with that application being actuated when the handheld  
5 computer is in the sleep mode.

1 30. (currently amended) The handheld computer of claim 2224, wherein the processor is  
2 configured to display a menu bar with each of the one or more sets of menu items in response  
3 to receiving the menu request, and wherein the processor is configured to cancel activation of  
4 the one or more sets of menu items in response to selection input for canceling the one or more  
5 active sets of menu items.

1 31. (currently amended) A handheld computer comprising:  
2 ~~a housing;~~  
3 ~~a display accessible on a panel of the housing; and~~  
4 a housing including a first panel comprising a display and one or more user-interactive features  
5 which are each actuatable to cause an input to be entered; and  
6 a processor coupled to the display, the processor being configured to:  
7 detect an input corresponding to a menu request;  
8 activate a first menu on the display in response to the menu request; and  
9 process lateral navigation input to cancel activation of the first menu, wherein the input  
10 corresponding to the menu request, and the lateral navigation input are each caused by  
11 activation of the same user-interactive feature.

1 32. (original) The handheld computer of claim 31, wherein the processor processes lateral  
2 navigation input to cancel activation of the menu if only the first menu is available to be active  
3 for a page being displayed on the handheld computer.

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1 33. (original) The handheld computer of claim 31, wherein the processor is configured to  
2 activate the first menu by displaying a menu bar and one or more menu items

1 34. (original) The handheld computer of claim 33, wherein the processor is configured to  
2 process vertical navigation input to make the menu bar selectable, and to process selection  
3 input to cancel activation of the first menu when the menu bar is made selectable.